

What Is Claimed Is:

1. Stator winding for an electrical machine, where in said stator winding, in the winding slots (11) of a stator core (10), two each conductor bars (15, 17) are arranged between the slot base (21) and boring (22) of the stator core (10) on top of each other, whereby each of the conductor bars (15, 17) comprises a plurality of juxtaposed strand columns (15a,...,d or 17a,b) or strand planes, characterized in that the conductor bar (15) close to the boring is provided with more strand columns (15a,...,d) or strand planes than the conductor bar (17) close to the slot base.

2. Stator winding as claimed in Claim 1, characterized in that the conductor bar (17) close to the slot base is constructed as a single Roebel bar with two strand columns (17a, b) or strand planes, and that the conductor bar (15) close to the boring is provided with three or more strand columns (15a,...,d).

3. Stator winding as claimed in Claim 2, characterized in that the conductor bar (15) close to the boring is constructed as a twin Roebel bar with four strand columns (15a,...,d) or strand planes.

4. Stator winding as claimed in one of Claims 1 to 3, characterized in that the effective total width of the strand columns (15a,...,d or 17a,b) in both conductor bars (15,17) is approximately the same.

5. Stator winding as claimed in Claim 4, characterized in that the effective height of the strand columns (15a,...,d) of the conductor bar (15) close to the boring is at least as high as the effective height of the strand columns (17a,b) of the conductor bars (17) close to the slot base.

6. Stator winding as claimed in Claim 5, characterized in that the effective heights of the strand columns (15a,...,d or 17a,b) of the two conductor bars (15,17) are the same.

7. Stator winding as claimed in one of Claims 1 to 6, characterized in that corresponding conductor bars (15, 17) are connected at the bar ends, and that the eye (18, 19) is made for all strand columns (15a,...,d; 17a,b) together.

8. Stator winding as claimed in Claim 3, characterized in that the corresponding conductor bars (15,17) are connected at the bar ends, and that the eye (18a, 19a; 18b, 19b) is made separately for corresponding strand columns (15a,b; 17a or 15c,d; 17b) of the two conductor bars (15,17).